

S-E-C-R-E-T

AGENDA

Meeting No. 43

Research, Development and Production Review Board / MEETING NO. 43

6 April 1955

Room 2053 "I" Bldg. - ¹⁵⁰⁰~~1400~~ Hours

I. Old Business:

1. Review and Approval of Minutes of Meeting #42.
2. Report by Engineering Division of Significant Changes in Projects' Status.
3. Discussion of Proposal for Project 25X1
4. Discussion of Quantity of Equipments to be Procured. 25X1
5. Discussion of Office of Communications' Program. 25X1
6. Discussion of Polar Communications Equipment.

II. New Business:

1. Discussion of Requirements for the VHF Radio Set 25X1
2. Discussion of the Elimination of the Special Assistant As a Board Member and a Substitution of the Chief, Special Projects Division.
3. Proposal for VFO 25X1
4. Proposal for Reusable Tape for Automatic Keying Devices
5. Proposal for Magnetic Tape Keying Device.

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ORIG COMP	-	OPI	33	TY
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25 YEAR RE-REVIEW

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MINUTES
Special Meeting of
Research, Development and Production Review Board

- I. A special meeting of the Board was held in the OC Conference Room at 1000 hours on 30 March 1955. The following persons were in attendance:



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- II. The meeting was called in order to consider three proposals which have very short deadline dates on them.

1. Information was presented to the Board to the effect that the Signal Corps was about to produce a limited quantity of G-43/U hand generators under their Industrial Preparedness Program. They had agreed to make available up to a quantity of 200 of these units at a cost somewhere between \$150 and \$250 each. It was the opinion of the Board that in view of the large quantity of GN-58 units presently in stock and the limited operations planned in the foreseeable future, it would be unwise to obtain a large quantity of these units. It was therefore agreed that the Signal Corps be requested to provide 50 of the G-43/U hand generators.

2. Proposals for the development of the RR-11BB transistorized 12-30 mcs receiver were reviewed. The Engineering Division recommended that Option II of the [redacted] proposal be accepted at a cost of \$47,208. This option provided for the re-work of the RR-11AA receiver into such a form that it could be supplied with either of two RF front ends. One of these RF units would cover the band from 3 - 12 mcs and the other the band from 12 - 30 mcs. The Board concurred in the recommendation.

3. The third item considered was a proposal from [redacted] for a study contract at a cost of \$31,094 looking toward recommendations to the Agency regarding [redacted]

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this proposal with the understanding that the Engineering Division

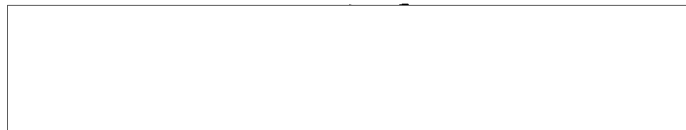
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would closely monitor the project so that maximum effort would be directed to the selection of proper components and that circuit design would be a secondary consideration.

III. The meeting adjourned at 1130 hours.

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Secretary

Distribution:

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RD&PRB Members and
Those in Attendance
R&D Lab
R&D External Projects

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MINUTES

Research, Development and Production Review Board

I.

Meeting #43 of the Research, Development and Production Review Board was held in the OC Conference Room at 1500 hours on 6 April 1955. The following persons were in attendance:

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II.

Under Agenda Item I, Old Business:

1. The Board considered the information presented by the CC-F Division regarding a revision of the Minutes of the 42nd Meeting and approved the correction submitted. Therefore, delete the last sentence on page 4 and substitute the following:

"The 25 Transmitters will be used in the partial completion of the Stockpile, as directed by the Plans and Policy Staff in coordination with the Engineering Division and the Operations and Training Division. It is understood that the 25 transmitters are available for use in current operations, if it is established that the requirement cannot be satisfied by use of field stocks and is of higher priority than the stockpile."

2. Report of Significant Changes in Projects' Status: In view of the length of the Agenda and the limited amount of time available, a review of the Agenda was made and it was decided to consider Items 3 and 4 under Old Business; Item 2 under New Business, and a special report by the Chief Engineer on Burial Containers.

3. Discussion of Proposal for Project [REDACTED] The Board approved the Proposal for a Project [REDACTED] as received from the [REDACTED] This incorporates Phase I at

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approximately \$24,000 and Phase II at an approximate cost of \$94,500. By direction of the Chairman, the main emphasis will be placed upon developing the sub-assemblies for direct clandestine use. By this is meant that the units can readily be plugged together by unskilled personnel for the purpose of assembling radio communication equipment. It was further agreed that when the Study Phase I of the program is completed, the Board will again review Project [] as a whole.

4. Discussion of OC Drop Zone Beacon Program: The SPD representative stated that that division has no requirements for [] equipment.

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and
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ACTION

After considerable discussion on the operational use of [], it was agreed that a representative of the O&T Division and a representative of the Engineering Division would visit [] and witness a demonstration of the [] equipment. At the next meeting of the Board, the O&T representative will recommend to the Board regarding the likelihood of the application of [] equipment to Commo's operational requirements. The Engineering representative will report to the Board regarding the technical aspects of the equipment.

III.

Under Agenda Item II, New Business:

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Sec.

2. Discussion of the Elimination of the Special Assistant As a Board Member and a Substitution of the Chief, Supplemental Programs Division: The Secretary was directed to prepare an order deleting the Special Assistant as a Board Member and substituting in his place the Chief, Supplemental Programs Division.

Special Report by the Chief Engineer on Burial Containers: A report was given to the Board to the effect that some difficulties had been encountered with the burial containers in the tightness of the seal and the ability of the equipment to withstand shock test. Engineering stated that they felt that the containers as they now stand with the addition of two extra clamps, which the contractor has agreed to provide, should provide a satisfactory container from the sealing point of view. In the course of the drop test when a container is dropped from a 30-inch height onto a concrete floor when containing a weight of 25 pounds and when landing on its corner,

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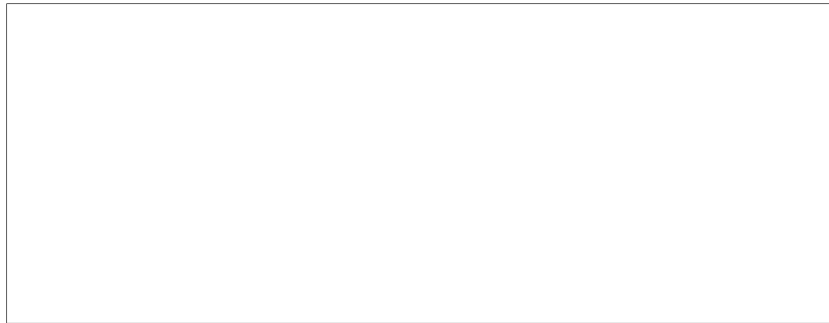
REVISED 4 MAY 1955

MINUTES

Research, Development and Production Review Board

I.

This meeting was a continuation of Meeting #43 of 6 April and 15 April 1955. The meeting was held in the OC Conference Room at 1500 hours on 20 April 1955. The following persons were in attendance:



II.

The meeting was called for the express purpose of considering Items #2 and #5 under Old Business of the Agenda for 6 April.

2. Report by Engineering Division of Significant Changes in Projects' Status.

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ACTION

[] The data collected from the field test for this system is presently being compiled and will be released shortly. The Air Force desires to take this data and publish it as their report. Our general agreement has been given. A report will also be prepared concurrently by the Engineering Division and issued as a separate Agency report. The Chief, Engineering Division, mentioned that [] has suggested that a separate system of [] be designed for each, the Air Force and the Agency. The future of this equipment was discussed briefly and it was decided that the Engineering Division and the Operations and Training Division should confer on possible modifications to the system and the equipment.

AS-1: The design of the printing mechanism has been completed and a mechanical model of the printing unit was assembled and tested with good results. One unit of the redesign drive motor had been delivered and the remainder of the nine units are expected shortly. The design work on the transmitter mechanism for this system is continuing. Many of the parts for the transmitter have already been completed.

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ACTION

Crystal Video Equipment [] The Chief, Engineering Division, mentioned that it is the responsibility of the Office of Communications to support the [] equipment in the field, and to resolve difficulties with the equipment which have been encountered. For example, some confusion relative to the number of additional equipments required for field bench test setups has just been resolved; also, the [] instruction book provided with the original equipment is totally inadequate insofar as maintenance and systems check procedures are concerned. The R&D Laboratory is developing on a crash basis procedures for bench testing of the [] components.

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RS-11: The contractor has agreed to submit a proposal for an AC power supply for the RS-11 equipment. This will be received sometime this month. He further has been asked to submit a proposal for a hand cranked generator to power this unit and at his suggestion will also submit a proposal for a small gasoline engine attachment for the hand cranked generator. It was stated that any work which the contractor does as a result of these proposals will not in any way affect the production of the RS-11 transmitter and receiver.

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RS-13 [] The tests of this equipment from [] to [] were currently in process with fair results. Prior to the tests the Laboratory had experienced difficulty with the reading head and this difficulty was again encountered by the field team. Transmissions had been received by Base Station with approximately 80% readability directly from the ink printer. The Chief, Engineering Division, assured the Board that the deficiency in the reading head could be overcome.

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5. Discussion of Office of Communications' Program.

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In opening the discussion on this matter, the Chief of the Engineering Division pointed out that various correspondence had verified that the Office of Communications had primary cognizance of the development of CW homing transmitters as a whole and not only of the modifications of existing equipment. He further pointed out that since this was so, we must take proper action in this regard. [] presented a resume of [] activity in the [] field and indicated that at this time the problem of compatibility had not been resolved. He felt that this must be accomplished before the problem can be considered solved.

In the general discussion that followed, it was pointed out that the operational specifications for this system had varied frequently in the past, but that we were knowledgeable of a Top Secret document which gives the present requirements of the operating divisions.

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ACTION

It was decided that a staff study should be prepared and presented to the DDP Materiel Board for priority consideration. This study should be aimed at getting approved specifications for this program. The study should also seek in a positive manner confirmation that the Office of Communications is responsible for this program.

III.

New Business:

SPD PROGRAMS: It was brought to the attention of the Board that there are many projects which are not presented to the Board for approval prior to their initiation, and that the majority of such projects are those of the Supplemental Programs Division. The Chief, Engineering Division, stated that he had recently conducted an audit of projects being handled for SPD; that the listing filled several pages; and that this was mentioned so that Board members might consider the SPD workload when placing future commitments upon the Engineering Division. It was brought out that the Chairman is cognizant of the SPD program and that funds are usually expended by his authority. The Chairman recommended that the question of R&D Board review of SPD projects be a subject for discussion at a future meeting.

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IV. There being no further business before the Board, the meeting adjourned at 1610 hours. The next regular meeting of the Board will be held on 4 May 1955 at 1400 hours. The Ideas and Requirements Panel will meet on 18 May 1955 at 1400 hours.

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Acting

Distribution:

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Members and those in attendance
listed in Paragraph I
R&D Internal Projects
R&D External Projects (2)

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